

Title (en)

A handling device for liquor guns of a recovery boiler plant, a recovery boiler plant, and a method in a recovery boiler

Title (de)

Hantierungsvorrichtung für Laugenspritzen einer Regenerierkesselanlage, Regenerierkesselanlage und Verfahren in einem Regenerierkessel

Title (fr)

Dispositif de manipulation pour pistolets à liqueur d'une installation de chaudière de récupération, installation de chaudière de récupération et procédé dans une chaudière de récupération

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Application

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Abstract (en)

A handling device for liquor guns (2) of a recovery boiler plant, which device comprises transfer means (11) for transferring a nozzle (7) of a liquor gun to the furnace (1) of a boiler and out from the furnace. In addition, the invention relates to a recovery boiler plant as well as a method in a recovery boiler plant.

IPC 8 full level

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CPC (source: EP FI US)

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Citation (search report)

- [X] US 2005263108 A1 20051201 - ENGVALL JOHAN [SE]
- [AP] EP 2022888 A1 20090211 - ANDRITZ OY [FI]
- [A] US 3795475 A 19740305 - HELLSTROM B
- [A] EP 1416083 A1 20040506 - KVAERNER POWER OY [FI]
- [A] US 4695881 A 19870922 - KENNEDY JESSE R [US], et al
- [A] WO 0052259 A1 20000908 - SOEDERSTROEM PER [SE], et al
- [A] US 2008289782 A1 20081127 - SAVIHARJU KARI [FI], et al
- [A] US 2008236459 A1 20081002 - WESSEL RICHARD A [US]

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